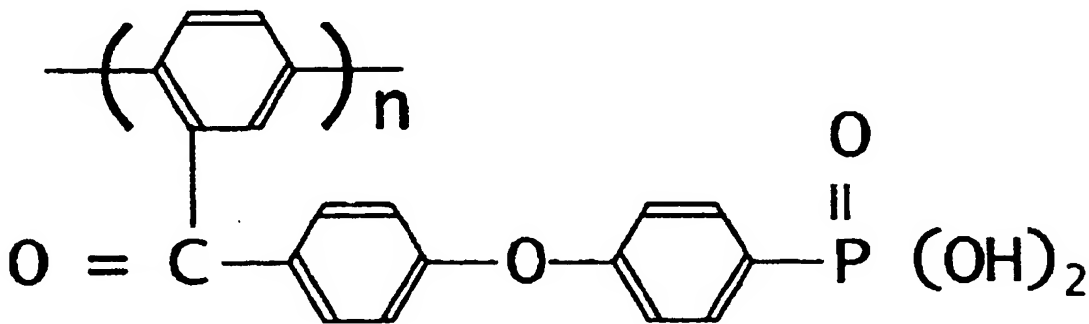




AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Previously presented) Phosphonated poly(4-phenoxybenzoyl-1,4-phenylene) having a following repeating unit:



wherein "n" represents a number from 5 to 10000.

2. (Original) A method for synthesizing the phosphonated poly(4-phenoxybenzoyl-1,4-phenylene) according to claim 1, comprising the steps of:

halogenating a phenoxy group of the poly(4-phenoxybenzoyl-1,4-phenylene) such that the phenoxy group is converted to a halogen group;

phosphonic acid esterifying the halogen group such that the halogen group is converted to a phosphonic acid ester group; and

deesterifying the phosphonic acid ester group.

3. (Previously presented) A composition including the phosphonated poly(4-phenoxybenzoyl-1,4-phenylene) according to claim 1 and at least one organic material.

4. (Original) A high-durability polymer electrolyte composite including a fluoropolymer electrolyte and the phosphonated poly(4-phenoxybenzoyl-1,4-phenylene) according to claim 1.

5. (Original) The polymer electrolyte composite according to claim 4, wherein a percentage of the phosphonated poly(4-phenoxybenzoyl-1,4-phenylene) content is equal to or higher than 0.1 mass % of the entire polymer electrolyte composite.

6. (Original) The polymer electrolyte composite according to claim 5, wherein a percentage of the phosphonated poly(4-phenoxybenzoyl-1,4-phenylene) content is equal to or higher than 5 mass % of the entire polymer electrolyte composite.

7. (Currently Amended) The polymer electrolyte composite according to ~~any one of claims 4 to 6~~ claim 4, wherein an antioxidant other than the phosphonated poly(4-phenoxybenzoyl-1,4-phenylene) is added to the polymer electrolyte composite, and a percentage of all antioxidants is 0.005 to 50 mass % of the polymer electrolyte composite.

8. (Original) The polymer electrolyte composite according to claim 7, wherein a percentage of the all antioxidants is 0.01 to 10 mass % of the polymer electrolyte composite.

9. (Currently Amended) An electrode for a fuel cell, ~~which includes a proton-exchange material and a catalyst support conductive material, characterized in that the proton exchange material is the polymer electrolyte composite according to any one of claims 4 to 8~~ comprising:

the polymer electrolyte composite according to claim 4; and

a catalyst support conduction material.

10. (Currently Amended) A fuel cell ~~characterized by~~ comprising the electrode according to claim 9.